

Title (en)
GLASS PLATE AND HEATER USING SAME

Title (de)
GLASPLATTE UND HEIZER DAMIT

Title (fr)
PLAQUE DE VERRE ET DISPOSITIF DE CHAUFFAGE L'UTILISANT

Publication
EP 3228601 A4 20180627 (EN)

Application
EP 15864777 A 20151201

Priority
• JP 2014243758 A 20141202
• JP 2015083810 W 20151201

Abstract (en)
[origin: US2017247284A1] A glass plate, which has a thickness of from 1 to 8 mm, has an infrared transmittance T3000 at a wavelength of 3,000 nm of at least 4%, an average thermal expansion coefficient α at from 50 to 350° C. of from 15 to 35×10⁻⁷/° C., and a glass composition comprising, as represented by mol% based on oxides, from 50 to 85% of SiO₂, from 0.1 to 25% of Al₂O₃, from 0.1 to 20% of B₂O₃, from 0 to 20% in total of at least one member selected from MgO, CaO, SrO, BaO and ZnO, and from 0 to 20% in total of at least one member selected from Li₂O, Na₂O and K₂O.

IPC 8 full level
C03C 3/091 (2006.01); **C03C 3/093** (2006.01); **C03C 3/097** (2006.01); **C03C 4/10** (2006.01); **F24C 15/10** (2006.01); **H05B 6/12** (2006.01)

CPC (source: EP US)
C03C 3/076 (2013.01 - US); **C03C 3/078** (2013.01 - US); **C03C 3/091** (2013.01 - EP US); **C03C 3/093** (2013.01 - US);
C03C 3/097 (2013.01 - EP US); **C03C 4/10** (2013.01 - EP US); **F24C 15/10** (2013.01 - EP US); **H05B 6/12** (2013.01 - US);
C03C 3/083 (2013.01 - US); **C03C 3/089** (2013.01 - US)

Citation (search report)
• [XAI] US 2014061186 A1 20140306 - LAURENT MATHILDE [FR], et al
• [XAI] US 2002151426 A1 20021017 - MURATA TAKASHI [JP], et al
• [XAI] US 5876472 A 19990302 - GROS OLIVER [DE], et al
• [XAI] JP 2006062929 A 20060309 - NIPPON ELECTRIC GLASS CO
• [XAI] US 2012135853 A1 20120531 - AMIN JAYMIN [US], et al
• [A] US 2012277085 A1 20121101 - BOOKBINDER DANA CRAIG [US], et al
• See references of WO 2016088778A1

Cited by
EP3872042A1; DE102020202597A1; EP4026813A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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JP WO2016088778 A1 20170914; WO 2016088778 A1 20160609

DOCDB simple family (application)
US 201715595062 A 20170515; CN 201580065836 A 20151201; EP 15864777 A 20151201; JP 2015083810 W 20151201;
JP 2016562644 A 20151201